

Forces Quiz

Read each question carefully and answer to the best of your abilities. "May the force be with you!"

Fill-ins: (1 point each)

1. The force with opposes motion is called Friction.
2. Forces which are opposite and equal in magnitude are called Balanced forces.
3. Gravity is the attractive force between all objects in the universe.
4. As the distance between two massive objects increases, the force of gravity will decrease.
5. An object's mass won't affect the acceleration of the object due to gravity on earth.

SHORT ANSWER ESSAYS: Include as much detail as possible, and use complete sentences.

6. Sand is often thrown on icy walkways to prevent people from slipping. Explain how the sand is helpful. (2)

eases Frictional force. - Creates Coarse Texture.
(1) (1)

7. Imagine that you are on the roof of Pier Middle School and drop a baseball, a bowling ball, and a cannonball from a height of about 100 feet. Write a prediction to describe which you think will land first. Explain this concept completely, using vocabulary that we learned in class. (3)

(1) I Predict... if ... Then ... because